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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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EXAMINER

TOWA, RENE T

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PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/761,962	Applicant(s) TAKIZAWA ET AL.	
	Examiner RENE TOWA	Art Unit 3736	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 11 June 2010.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 3, 11, 13-28, 30, 32-44 and 50 is/are pending in the application.
- 4a) Of the above claim(s) 3, 11, 13-28, 30 and 32-43 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 44 and 50 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. This Office action is responsive to an amendment filed June 11, 2010. Claims 3, 11, 13-28, 30, 32-44 & 50 are pending. Claims 3, 11, 13-28, 30 & 32-43, are withdrawn as pertaining to a non-elected invention. Claims 1-2, 4-10, 12, 29, 31, 45-49 & 51-53 have been cancelled.

Claim Objections

2. The objections are withdrawn due to amendments.

Claim Rejections - 35 USC § 112

3. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

4. Claims 44 & 50 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. Applicant's claim 44 requires a "catching unit" that is "elastically formed of a fine member and taking a shape of a bowl by gravity" and wherein "the net...is formed of a magnet." However, as evidenced by pages 17-18 of the original disclosure, which describe a "retrieval net 51...formed by netting fine wire 56 along a circular frame 55 in a grid configuration in a manner such that the retrieval net 51 is elastic. The retrieval net 51 takes the shape of a bowl with its own gravity." It is clear that the Applicant only has support for a catching unit that is elastically formed of a

fine member, takes a shape of a bowl by gravity and is formed of a magnetic material (i.e. fine wire) as per the disclosed limitations of elected species II (figs. 5-7), which do not include a magnet of any kind.

As such, the Examiner submits that the claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention.

Claim Rejections - 35 USC § 103

5. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

6. **Claim 44** is rejected under 35 U.S.C. 103(a) as being unpatentable over Brockman (US 3,540,433) in view of Foster (US 3,087,699).

Brockman discloses a medical strainer device 20 comprising a foldable handle (28, 30) for adapting to a shape of a portion of a toilet bowl (see col. 3, lines 6-13; col. 4, lines 5-15); a catch unit 24 for catching a sample that is discharged from a patient's body with feces (see figs. 1-5; col. 3, lines 1-5, 7-13 & 15-22; col. 5, lines 48-67). Brockman further discloses a medical strainer device 20 wherein the catch unit 24 is a filtering net 36 capable of holding a medical capsule discharged from a human body (*i.e. since the unit 24 is capable of holding tapeworms and pinworms*) (see figs. 1-5; column 3/lines 1-5, 7-13 & 15-22); wherein the net 36 is at least partially elastically formed of a fine member and taking a shape of a bowl by gravity (see figs. 1 & 8-12).

Brockman disclose a system, as described above, that fails to explicitly teach a catch unit comprising a net comprising a magnetic material.

However, **Foster** teach that it is known to provide a net (10, 14) with a magnetic material (11, 12, 15) (see figs. 1-2; col. 2, lines 47-71).

Brockman teaches a system comprising a net for the collection of biological samples that are discharged within a patient's feces for later analysis (see abstract); since Brockman teaches a net, which comprises a fabric formed solely from interwoven plastic fabrics such as Dacron so that the entire net can be easily washed and sterilized for repeated use (see col. 3, lines 36-69); Foster teach that it is known to provide a net (10, 14) with a magnetic material (11, 12, 15) in order to achieve a wire fabric which combines the structural characteristics of known wire and synthetic fabrics without sacrificing any of the potential strength of such wire fabrics (see col. 1, lines 68-71), it would have been obvious to one of ordinary skill in the art at the time Applicant's invention was made to provide the system of Brockman with a net comprising a magnetic material as taught by Foster in order to achieve a wire fabric which combines the structural characteristics of known wire and synthetic fabrics without sacrificing any of the potential strength of such wire fabrics.

Moreover, since

a) one of ordinary skill in the art could have combined the teachings of Brockman with those of Foster as suggested in the rejections supra by known methods,

b) in the combination, each element (i.e. the strainer of Brockman, the magnets of the screen of Foster, and the handle of Brockman) in the combination would have performed the same function as it did separately; and,

c) one of ordinary skill in the art would have recognized that the results of the combination were predictable (i.e. increasing the strength of the screen of Brockman),

The Examiner submits that combining prior art elements according known methods to yield predictable results has recently been held to be obvious (see *KSR International Co. v. Teleflex Inc.*, 550 U.S.---, 82 USPQ2d 1385 (2007)).

7. **Claim 50** is rejected under 35 U.S.C. 103(a) as being unpatentable over Brockman ('433), Foster ('699), and further in view of Paulin (US 4,309,782).

Brockman as modified by Foster discloses a system, as described above, that teaches all the limitations of the claim except for a bag to enclose the specimen together with a unit of the specimen retrieval device.

However, **Paulin** discloses a device comprising a bag 12 to enclose a specimen together with a catch unit 46 of the specimen retrieval device 16 for temporary storage or transport, after the specimen has been collected (see abstract; see figs. 1-3; col. 2, lines 20-32 & 62-67).

Brockman teaches a sample retrieval device for collecting the fecal specimen; since Paulin teaches a bag for a storing a medical retrieval device for temporary storage or transport to a physician's office or a laboratory, it would have been obvious to one of ordinary skill in the art at the time Applicant's invention was made to provide the system

of Brockman as modified by Foster above with a bag as taught by Paulin in order to store and/or transport the collected specimen to a physician's office and/or laboratory.

8. **Claim 50** is rejected under 35 U.S.C. 103(a) as being unpatentable over Brockman ('433), Foster ('699), and further in view of Slover et al. (US 4,445,235).

Brockman as modified by Foster discloses a system, as described above, that teaches all the limitations of the claim except for a bag to enclose the specimen together with a unit of the specimen retrieval device.

However, **Slover et al.** disclose a device comprising a bag to enclose a specimen together with a catch unit of the specimen retrieval device for temporary storage or transport, after the specimen has been collected (see column 4/lines 21-25).

Brockman teaches a sample retrieval device for collecting the fecal specimen; since Slover et al. teach a bag for a storing a medical retrieval device for temporary storage or transport to a physician's office or a laboratory, it would have been obvious to one of ordinary skill in the art at the time Applicant's invention was made to provide the system of Brockman as modified by Foster above with a bag as taught by Slover et al. in order to store and/or transport the collected specimen to a physician's office and/or laboratory.

9. **Claim 44** is rejected under 35 U.S.C. 103(a) as being unpatentable over Brockman (US 3,540,433) in view of Schuchardt et al. (US 4,206,000).

Brockman discloses a medical strainer device 20 comprising a foldable handle (28, 30) for adapting to a shape of a portion of a toilet bowl (see col. 3, lines 6-13; col. 4, lines 5-15); a catch unit 24 for catching a sample that is discharged from a patient's

body with feces (see figs. 1-5; col. 3, lines 1-5, 7-13 & 15-22; col. 5, lines 48-67).

Brockman further discloses a medical strainer device 20 wherein the catch unit 24 is a filtering net 36 capable of holding a medical capsule discharged from a human body (*i.e. since the unit 24 is capable of holding tapeworms and pinworms*) (see figs. 1-5; column 3/lines 1-5, 7-13 & 15-22); wherein the net 36 is at least partially elastically formed of a fine member and taking a shape of a bowl by gravity (see figs. 1 & 8-12).

Brockman disclose a system, as described above, that fails to explicitly teach a catch unit comprising a net comprising a magnet.

However, **Schuchardt et al.** teach that it is known to provide a filtering net with a magnet 23 for removing magnetic particles from a flow stream (see abstract; see fig. 1; see col. 3, lines 20-33).

The Examiner takes official notice that it is known to provide biological sample carrying medical capsules that are discharged within a patient's feces with a magnetic material or magnet so as to conveniently remove the capsule from feces by situating a permanent magnet adjacent the capsule thereby separating the capsule from the feces; Brockman teaches a system comprising a net for the collection of biological samples that are discharged within a patient's feces for later analysis (see abstract); since Schuchardt et al. teach that it is known to provide a net with magnets 23 to remove magnetic particles from a flow stream (see abstract & fig. 1), it would have been obvious to one of ordinary skill in the art at the time Applicant's invention was made to provide the system of Brockman with a net comprising a magnet as taught by Schuchardt et al.

in order to conveniently remove the capsule from feces when the capsule is situated adjacent the magnet of the net so as to thereby separate the capsule from the feces.

Moreover, since

a) one of ordinary skill in the art could have combined the teachings of Brockman with those of Schuchardt et al. as suggested in the rejections supra by known methods,

b) in the combination, each element (i.e. the strainer of Brockman, the magnets of the screen of Schuchardt et al., and the handle of Brockman) in the combination would have performed the same function as it did separately; and,

c) one of ordinary skill in the art would have recognized that the results of the combination were predictable (i.e. rendering the screen of Brockman magnetic so as to attract a magnet or magnetic material),

The Examiner submits that combining prior art elements according known methods to yield predictable results has recently been held to be obvious (see KSR International Co. v. Teleflex Inc., 550 U.S.---, 82 USPQ2d 1385 (2007)).

10. **Claim 50** is rejected under 35 U.S.C. 103(a) as being unpatentable over Brockman ('433), Schuchardt et al. ('000), and further in view of Paulin (US 4,309,782).

Brockman as modified by Schuchardt et al. discloses a system, as described above, that teaches all the limitations of the claim except for a bag to enclose the specimen together with a unit of the specimen retrieval device.

However, **Paulin** discloses a device comprising a bag 12 to enclose a specimen together with a catch unit 46 of the specimen retrieval device 16 for temporary storage

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or transport, after the specimen has been collected (see abstract; see figs. 1-3; col. 2, lines 20-32 & 62-67).

Brockman teaches a sample retrieval device for collecting the fecal specimen; since Paulin teaches a bag for storing a medical retrieval device for temporary storage or transport to a physician's office or a laboratory, it would have been obvious to one of ordinary skill in the art at the time Applicant's invention was made to provide the system of Brockman as modified by Schuchardt et al. above with a bag as taught by Paulin in order to store and/or transport the collected specimen to a physician's office and/or laboratory.

11. **Claim 50** is rejected under 35 U.S.C. 103(a) as being unpatentable over Brockman ('433), Schuchardt et al. ('000), and further in view of Slover et al. (US 4,445,235).

Brockman as modified by Schuchardt et al. discloses a system, as described above, that teaches all the limitations of the claim except for a bag to enclose the specimen together with a unit of the specimen retrieval device.

However, **Slover et al.** disclose a device comprising a bag to enclose a specimen together with a catch unit of the specimen retrieval device for temporary storage or transport, after the specimen has been collected (see column 4/lines 21-25).

Brockman teaches a sample retrieval device for collecting the fecal specimen; since Slover et al. teach a bag for storing a medical retrieval device for temporary storage or transport to a physician's office or a laboratory, it would have been obvious to one of ordinary skill in the art at the time Applicant's invention was made to provide the

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system of Brockman as modified by Schuchardt et al. above with a bag as taught by Slover et al. in order to store and/or transport the collected specimen to a physician's office and/or laboratory.

Response to Arguments

12. Applicant's arguments filed June 11, 2010 have been fully considered but they are not persuasive. The Applicant contends that the net of Brockman does not take the shape of a bowl by gravity. This argument has been considered but has not be deemed persuasive. In response thereof, the Applicant's attention is directed to fig. 1 of Brockman, which clearly shows the net 36 of Brockman having a shape influenced by gravity. Similarly, the net 36 is shown in figs. 4, 8 & 11 as clearly influenced by gravity; for example, if the entire catching unit 24 were inverted, it is clear that the net 36 would at least partially cave in due to gravity. In fact, Brockman teaches a net 36 that is made as a plastic cloth (see col. 4, lines 26-31) and should therefore be expected to be influenced by gravity. As such, the Examiner submits that Brockman teaches a net that takes the shape of a bowl by gravity.

Conclusion

13. Any inquiry concerning this communication or earlier communications from the examiner should be directed to RENE TOWA whose telephone number is (571)272-8758. The examiner can normally be reached on Mon-Thurs, 8:00AM-6:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Max Hindenburg can be reached on (571) 272-4726. The fax phone

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number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Rene Towa/
Examiner, Art Unit 3736

/Max Hindenburg/
Supervisory Patent Examiner, Art Unit 3736